



# CITY COUNCIL

## AGENDA REQUEST

<b>AGENDA OF:</b>	<b>02-07-12</b>	<b>AGENDA REQUEST NO:</b>	<b>VII-B</b>
<b>INITIATED BY:</b>	<b>TIMOTHY JAHN, P.E. <i>TWJ</i></b> SENIOR ENGINEER	<b>RESPONSIBLE DEPARTMENT:</b>	<b>ENGINEERING</b>
<b>PRESENTED BY:</b>	<b>TIMOTHY JAHN, P.E.</b> SENIOR ENGINEER	<b>DIRECTOR:</b>	<b>CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER <i>CL 5</i></b>
		<b>ADDITIONAL DIRECTOR (S):</b>	<b>SUELEN STAGGS, DIRECTOR OF UTILITIES <i>SS</i></b>

<b>SUBJECT / PROCEEDING:</b>	<b>SWTP EFFLUENT DISCHARGE 8-INCH FORCE MAIN – CIP WW1102 AUTHORIZE CONSTRUCTION CONTRACT WITH T. CONSTRUCTION, LLC.</b>
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<b>EXHIBITS:</b>	<b>SWTP EFFLUENT DISCHARGE 8-INCH FORCE MAIN ROUTE MAP SIGNED STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS RECOMMENDATION OF AWARD LETTER FROM CAROLLO ENGINEERS, INC.</b>
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CLEARANCES		APPROVAL	
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<b>LEGAL:</b>	<b>N/A</b>	<b>ASSISTANT CITY MANAGER:</b>	<b>KAREN DALY <i>KD</i></b>
<b>PURCHASING:</b>	<b>TODD REED, CPPB, PURCHASING MANAGER <i>TR</i></b>	<b>ASSISTANT CITY MANAGER:</b>	<b>N/A</b>
<b>BUDGET:</b>	<b>JENNIFER BROWN, <i>JB</i> DIRECTOR OF BUDGET &amp; RESEARCH</b>	<b>CITY MANAGER:</b>	<b>ALLEN BOGARD <i>Allen Bogard</i></b>

BUDGET	
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<b>EXPENDITURE REQUIRED: \$</b>	<b>369,560.00</b>
<b>CURRENT BUDGET: \$</b>	<b>750,000.00 WW1102</b>
<b>ADDITIONAL FUNDING: \$</b>	<b>N/A</b>

RECOMMENDED ACTION
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Authorize execution of a construction contract between the City of Sugar Land and T. Construction, LLC for the installation of an 8-inch force main for the Surface Water Treatment Plant, CIP WW1102, in a maximum amount of \$369,560.00.

## EXECUTIVE SUMMARY

The Surface Water Treatment Plant (SWTP), currently under construction, will require installation of an off-site force main to convey water treatment effluent from the SWTP site to the City's wastewater collection system. In February 2011, an off-site force main routing study was performed to determine the force main size and best options to serve the SWTP lift station at ultimate conditions. The recommended force main size is 8 inches. Due to wastewater conveyance issues of the City's current system along the west side of Burney Road, the proposed force main will extend along the west side of Burney Road to a new sanitary sewer manhole to be located north of Misty View Dr. and south of Ragus Lake Dr.

In August 2011, a Preliminary Engineering Report (PER) was prepared to evaluate construction options (such as open cut and removal, pipe bursting, pipe ramming, and horizontal directional drilling), provide opinion of probable construction cost, and to confirm the SWTP lift station's and Gannoway Lake lift station's pump selection. In addition, due to congested water/wastewater infrastructure along Burney Road, the PER recommended the existing 6-inch force main (which serves the Gannoway Lake lift station) to be replaced with a new 8-inch force main. The new 8-inch force main will be a combined force main to serve both the ultimate SWTP lift station and Gannoway Lake lift station.

The design of the off-site force main was completed in November 2011. The project advertised in December 2011, and one (1) bid was received January 12, 2012. The apparent responsible low bidder was T. Construction, LLC of Houston, Texas. T. Construction, LLC has previously sub-contracted on other City of Sugar Land wastewater projects and the City is satisfied with their performance. This project used the standard practice to advertise. Because one good bid was received from one responsible bidder, there is no need to rebid this project.

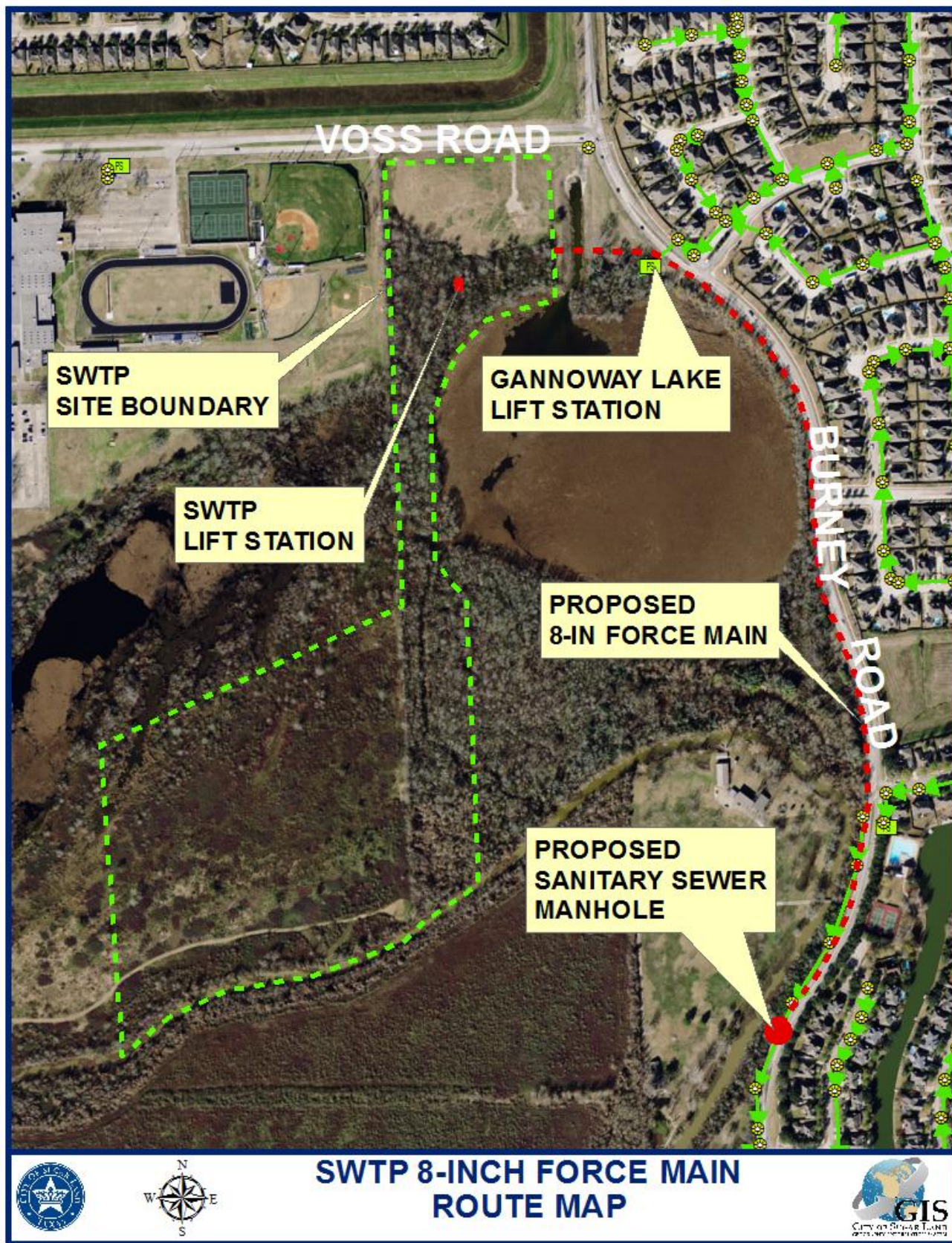
The recommended contractor, T. Construction, LLC, has agreed to contract with the City for their proposal amount of \$369,560.00. The Engineer's Opinion of Probable Construction Cost is \$400,000. This project will be funded from CIP WW1102, which has available funds of \$750,000 for construction. The letter of recommendation from the design firm, Carollo Engineers, Inc., is included as an exhibit.

The scope of work for this project will include installation of about 3,500 feet of 8-inch force main (open cut and trenchless construction), associated appurtenances, pump impeller changes and SCADA improvements at the Gannoway Lake lift station. Assuming a Notice to Proceed in February 2012, the project is expected to be completed in June 2012 with a project duration of 120 calendar days to substantial completion.

The Engineering and Utilities Departments recommend that the City Council authorize execution of a construction contract between the City of Sugar Land and T. Construction, LLC for the installation of an 8-inch force main for the Surface Water Treatment Plant, CIP WW1102, in a maximum amount of \$369,560.00.

## EXHIBITS





**CITY OF SUGAR LAND**  
**STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS**  
(Rev. 11-2-09)

This City of Sugar Land Standard Contract for Civil Engineering Construction Projects (Contract) is made between the City of Sugar Land, Texas (City), and the Contractor. The City and the Contractor agree to the terms and conditions of this Contract, which consists of the following:

- I. Summary of Contract Terms
- II. Standard Contractual Provisions
- III. Contract Documents
- IV. Signatures

**I. Summary of Contract Terms.**

Project: SWTP Phase I Effluent Discharge Force Main

Contractor: T. Construction, LLC

Name of Engineering Firm, if any: Carollo Engineers, Inc.

Name of Owner's Project Manager: Timothy Jahn, P.E.

Base Bid: \$ 369,560.00

Alternate Bid Item Nos.: N/A

Total Alternate Bid Items Amount: \$ N/A

Contract Price (Base Bid + Alternates): \$ 369,560.00, as may be adjusted by Change Orders

Effective Date of Contract: On the latest date of the dates executed by both parties

Date to Begin Work: Date specified in Notice to Proceed

Substantial Completion: Contractor must achieve Substantial Completion within 120 Calendar Days from date specified in Notice to Proceed, as the time may be adjusted by Change Order

Final Completion: Contractor must complete the Punch List within 30 Calendar Days from Substantial Completion

Liquidated Damage Amount for Failure to Meet Time for Substantial Completion: \$500 per Calendar Day

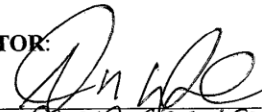
Liquidated Damage Amount for Failure to Complete Punch List Items by Time for Final Completion: \$50 per Calendar Day

**IV. Signatures.** By signing below, the parties agree to the terms of this Contract:

**CITY OF SUGAR LAND**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

**CONTRACTOR:**

By:   
Name: GLEN R. CRAWFORD  
Title: PRESIDENT  
Date: 1-19-12



January 18, 2012

Mr Timothy Jahn  
City of Sugar Land  
City Hall  
2700 Town Center Blvd., North  
Sugar Land, TX 77479

Subject: SWTP Phase 1 Effluent Discharge Force Main  
CIP Project No. WW1102  
Bid Evaluation/Award Recommendation

Dear Mr. Jahn:

On January 12, 2012 the bid for the construction of the SWTP Phase 1 Effluent Discharge Force Main (CIP Project No. WW1102) project was opened in public and read aloud. The one construction firm that submitted a bid was:

1. T Construction, LLC \$369,560.00

As requested by the City of Sugar Land, Carollo has reviewed the bid documents submitted by the apparent low bidder, T Construction LLC. The bid documents as submitted appear to be complete and in compliance with the requirements of the Contract Documents.

In addition, we checked references on previous and on-going work provided by T Construction, LLC. Two of the four references were contacted with both providing positive comments regarding T Construction, LLC.

Based on our review of the bid documents and statements from references, Carollo recommends award of the SWTP Phase 1 Effluent Discharge Force Main for \$369,560.00 to T Construction, LLC. The Engineers probable construction cost estimate for this project was \$400,200.00.

Should you have any question or need additional information, please give me a call.

Sincerely,

CAROLLO ENGINEERS, INC.

Meera Victor, P.E.

MV:sw